PIERCE'S PYRO-PNEUMATIC STOVE GRATES, being the original and only PURE WARM AIR STOVES that are constructed wholly of the FINEST PREPARED FIRE-CLAY, having no iron whatever in connecting with the warming surfaces, producing healthful warmth, ventilation, and comfort, combined with economy. This medium of changing the cold external atmosphere into pleasant rarefied air is particularly adapted for

CHURCHES, BANKING HOUSES, OFFICES, GETTRACE-HALLS, INFANT AND OTHER SCHOOLS, INVALIDS' APARTMENTS, &c.

Its cheerful open fire and elegant appearance render it equally applicable to the drawing or dining-room, where purity of air is essentially important.

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It may be seen in daily use at the University Hall, Gordon-square; the Polytechnic Institution; Westminster Chapel; Lloyd's Registry of Shipping, Cornhill; Guy's Hospital; the Bank of Messrs. Alexander and Co. Lombard-street; Office of "The Builder;" and at the Manufactory, 4, Jermyn-street.

PIERCE'S UNIVERSAL FIRE-LUMP GRATES, made of the finest prepared fire-loam, in one entire piece, very strong, with large capacious hobs and trivet, and will burn either wood, coal, coke, or peat.

Price from 11s. 6d. to 35s.

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Sole Agent for NICHOLSON'S PRIZE-COTTAGER'S RANGE, NEW PATENT COOKING STOVE, &c. &c.

IRON ROOF WORKS,

By Royal Letters Patent.

JOHN WALKER, SON OF THE PATENTEE, GENERAL CONTRACTOR.

Having extended his means for executing Orders, and Contracts for

CORRUGATED IRON BUILDINGS AND ROOFS,

Guaranteed or otherwise, will be happy to call, by appointment, on ARCHITECTS, ENGINEERS, &c.

Merchants are invited to ascertain his Prices for Shipping Orders. The Trade supplied with Corrugated Iron, Plain or Galvanized, or Iron Corrugated. References to Firms of the first class.

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The earnest attention of ARCHITECTS, ENGINEERS, &c. &c. is called to a particularly economical mode of erecting Fire-proof Floors capable of sustaining great weight, without any thrust against the walls. Any information, with Estimates, Drawings, &c. may be obtained at the Offices.

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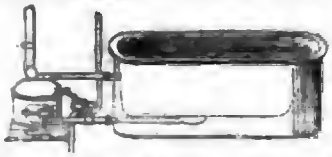

BATHS.—J. TYLOR and SON'S REGISTERED APPARATUS, consisting of Copper or Galvanized Iron Bath, (patented in imitation of wood or marble,) fixed in Frame complete, with Copper Circulating Boiler and Cock with Index-plate for the supply and waste water. This apparatus is complete in itself, and can be fixed without the assistance of bricklayer or carpenter. A warm bath can be ready for use in less than half an hour, at the cost of 6d. for fuel. Price 16 guineas.—Apply to the Ironmongers and Plumbers, or the manufacturers, J. TYLOR and SON, Warwick-lane, London.

PATENT WROUGHT NAILS.—These NAILS are submitted to the notice of Builders, Contractors, and Ship-builders, as being superior to any others, and cheaper. They have the toughness of the best hand-made nails, with far greater uniformity of make. The glass-polished cone nails are particularly recommended wherever oak or other hard wood is used; being perfectly chisel-pointed, they require no boring, and will drive into the hardest wood without splitting it, and their heads, being very strong, do not fly off. The patent wrought nails may be had of all ironmongers. A stock of them is kept at the warehouses of the agents, HIGGS and GEORGE, Wholesale Ironmongers, 179, Borough, London.

NAILS and IRONMONGERY, from BIRMINGHAM direct.

Builders, Contractors, and Others, supplied with Nails, Iron, and Ironmongery of every description, at the

LOWEST BIRMINGHAM PRICES,

a complete LIST of which will be forwarded upon application.

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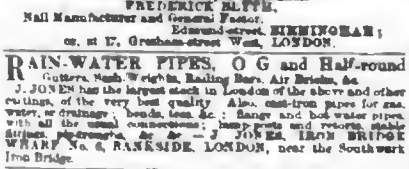
RAIN-WATER PIPES, O G and Half-round Gutters, Nosh Weights, Railing Bars, Air Bricks, &c.

J. JONES has the largest stock in London of the above and other castings, of the very best quality. Also, cast-iron pipes for gas, water, or drainage; heads, tees, &c.; flange and hot water pipes, with all the usual connections; hemp-yarn and retorts, stable fittings, ironmongery, &c. &c.—J. JONES, IRON BRIDGE WHARF, No. 6, BANKSIDE, LONDON, near the Southwark Iron Bridge.

IMPORTANT TO BUILDERS.



REGISTERED CAST-IRON CHIMNEY-HOPPER and CHIMNEY BAR COMBINED, ensuring a perfect formation of the Flue and rendering smoky chimneys impossible. One trial will cause their adoption in every building.

Price from 6s. 6d. each, according to size.

	3 in.	3½ in.	4 in.	4½ in.
Rain-water Pipe	6d.	8d.	9d.	10d. per yard.
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O. G. gutters, each weight, STABLE FITTINGS, railing, hemp railing, cattle and pig troughs, and COLUMNS with caps and bases, and every kind of ironmongery, in stock, at LYNCH WHITE'S Iron Wharf, Upper Ground-street, London, near Blackfriars-bridge.

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CHURCH and TURRET BELLS cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

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Tuned to the chromatic scale, with improved clappers, and mounted on a new system, which gives a superior tone and facility for ringing.

Memorial Bronze, Pulpit Lights, and Brackets, &c.

Old Bells recast or taken in exchange.

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THE PATENT GALVANIZED IRON.

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Supply patent Galvanized Sheets, plain or corrugated, for roofing, &c. Water or Gas Pipes, Cisterns, Wire of all gauges, Guttering, Hooping, &c. Wholesale retail, and for export.

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Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.

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Of the Corrugated Iron Beams, Girders, and Fire-proof Floors

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The attention of the Trade is called to

JOHN WARNER & SONS' PATENT VIBRATING STANDARD PUMP,

which is recommended for the simplicity of its construction, and the ease with which it works.

We the introduction of the vibrating standard, the cumbrous carriage and expensive clamp and guides are unnecessary, rendering the price considerably less than pumps made on the old plan.

Beer and Water Engines for raising fluids from a depth not exceeding 28 feet; also, Garden Engines constructed on the same principle.

JOHN WARNER & SONS,

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Manufacturers and Patentees.

PUMPS on HIRE!!!—TO CONTRACTORS, BUILDERS, AND OTHERS.—The largest STOCK in England of SINGLE and DOUBLE PUMPS, of a superior description, from 4 inch to double 14-inch barrel, and prepared for Hand or Steam Power, kept in the most perfect order, ready for use, on very reasonable terms, at BENJAMIN FOWLER'S Engine, Pump, and Hot Water Apparatus Manufactory, Whitefriars-street, Fleet-street, London. Hand-engine Frames, of various powers, for Wells of any depth, made on the most improved principles.

ARTESIAN WELLS, Boring for Water, Sinking Shafts, &c.—The Nor'-City, Century, Water Consumption, Towns, Pure-blue Indigo, Public Baths Brewers, Distillers, Paper-makers, Manufacturers of every description, may be SUPPLIED with any quantity by DAVID GREENLEY, Civil Engineer, and patentee of boring tools, 10, Cumming-street, Pentonville, London, who, having had upwards of twenty years' experience, is enabled to give the most satisfactory and highly respectable references. Pumps and machinery of every description for raising water from deep wells, boring tools with suitable pipes, for experiments, with instructions. Men and tools supplied to bore for railroads, minerals, &c.

CHUBBS' LOCKS, FIRE-PROOF SAFES, AND CASH BOXES.

CHUBBS' PATENT DETECTOR LOCKS give perfect security from false keys and picklocks, and also detect any attempt to open them. They are made of all sizes, and for every purpose to which locks are applied, and are strong, secure, simple, and durable.

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GREAT FIRES in MARK-LANE and SOUTHAMPTON-STREET, STRAND.—In these destructive Fires Deeds and Documents of immense value have been preserved uninjured, by "LEADBEATER'S PATENT FIRE-PROOF SAFES," LEADBEATER'S STRONG WROUGHT-IRON FIRE-PROOF BOOK SAFES, CHESTS and DOORS, for Strong Rooms, Plate Closets, and Party-walls, for of best make, and possessing all the most recent improvements, are the best depositories for property of every description. In the world; extra-strong Cash and Deed Boxes, with Detector Locks; Patent Detector Locks and Latches for all purposes. LEADBEATER, PATENTEE and MANUFACTURER of the much approved Venetianing and Down-draught preventing CHIMNEY-POT. This desirable article is found to be the most effectual cure for Smoky Chimneys ever yet before the public, and is adapted to every style of Architecture.

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PRIZE MEDAL IRON SHUTTERS.

BUNNETT and CO. ENGINEERS,

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ORIGINAL PATENTEES OF REVOLVING IRON SHUTTERS,

Respectfully announce that the

NEW PATENT CURVILINEAR REVOLVING IRON SHUTTERS,

(For which the Prize Medal of the Great Exhibition was awarded), are having the superior to ALL OTHER, DURABILITY, and APPEARANCE, to any other from Patents.

Bunnett Co. are also the Original Patentees and Manufacturers of improved BRASS and BINC CASH BARS and MOVEABLE SHOP FRONTS, MASHES, GLASS, &c. &c. WALLBOARD PLATES and every description of BRASS WORK.

Also, Patentees and Manufacturers of the following improvements in Ventilation:—Metal Gratings, Improved Glass Louvre Ventilators, Metal Slide Ventilators, Ventilating Tops for Strong Rooms, &c. &c. Improved Patent Roller Blinds for Shop Fronts.

BUNNETT and CO. respectfully submit a specimen of their works with those of any other manufacturers, confident that the result will fully prove their great superiority and cheapness.

REVOLVING SAFETY WOOD and IRON SHUTTERS.—SHOVELL, Patentee, 68, Regent-street, and at his steam works, 128, Old-street. These shutters have fully borne out their superiority over other revolving shutters for security, durability, and simplicity. References can be given to tradesmen whose premises are fitted therewith, and numerous large establishments where some are fixed measuring upwards of 60 square feet in one shutter and which are opened and closed in a few moments with the greatest possible ease, without the aid of machinery. The Patentee manufactures Brass Cash Bars, Shell Board Plates, &c.

JENNINGS'S PATENT SHOP SHUTTERS and FASTENER costs HALF the PRICE of the usually SHUTTER BAR.

May be had from any Ironmonger, or from the Patentee, GEORGE JENNINGS, 38, Great Charlotte-street, Blackfriars-road.

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PATENT MACHINES, for Planing, Moulding, Mortising, Tenoning, Grooving, Sawing and Boring, to work by joiners, builders, coach-makers, railway carriage and waggon builders, cabinet manufacturers, piano-forte makers, &c.—The principal institutions for the Encouragement of Arts have awarded seventeen premiums to these machines; they have been found in every respect perfect in their operations, on either hard or soft wood and will perform all the ordinary descriptions of work required in the above trades in a superior manner, at a greatly reduced cost. These machines are now used by the British, French, and American Governments, and by all the principal contractors, builders, and manufacturers in the United Kingdom.

Sold by WILLIAM PURNELL, Patentee, 20, Lawton-street, Liverpool.

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MESSRS. GALE and FENSOM, in submitting their registered DRILLING MACHINE, beg to draw the attention of the above trades to the following advantages in this machine:—That every hole drilled by it is perfectly straight, and that holes from ¼ an inch to 4 inches in diameter may be drilled by it, either with a boring bar or drill. It requires only the attention of one man, and work of any dimensions or shape may be easily placed under it. The price is only 7l. net cash.—May be seen at 164, Upper Thames-street, or at the Factory, Homerton.

FIRE-PROOF CONSTRUCTION.—FOX and BARRETT'S PATENT.—The great importance of fire-proof construction is shown by the recently published returns of fires in London during the past year, by which it appears that there is a considerable increase as compared with former years, the number not only exceeding 1,000, or one average of three per day.

This result affords strong corroboration of a fact stated upwards of twelve years, THAT NO BUILDING IN WHICH TIMBER JOISTS ARE USED IS PRACTICALLY SECURE FROM THE DANGER OF FIRE; and when to this fact it is added that timber is also liable to dry-rot and the ravages of insects and vermin, for which it affords a ready harbour, the mischief arising from its extensive use will be sufficiently apparent.

It becomes, then, worth the attention of those who are interested in building, to inquire whether materials of an imperishable nature cannot be substituted for timber in the construction of floors, &c., without involving additional cost; and attention is invited to a number of buildings of all classes, either finished or in course of erection, upon the above improved system, in which joists, either of rolled or cast-iron, are substituted for timber, together with a solid superstructure of concrete, adapted to receive a finished surface of floor or roof of any kind.

Among the buildings in regard to progress in London on this system, is the new CITY HOSPITAL, an enterprise mainly providing accommodation for the additional beds, and for buildings of this description and magnitude, as well as for PRIVATE DWELLING-HOUSES, OFFICES, WAREHOUSES, &c. it possesses very great advantages.

A detailed description of the system, estimates, and all further information, may be obtained on application to the Proprietor of the patent.

Mr. BARRETT, late Fox and Barrett,

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FOR SALE, a WOOD-PLANING and MOULDING MACHINE, ready for immediate work, fitted with a very complete set of Planing and Moulding Tools. This machine is capable of planing the four sides of boards, and moulding at the same time if required; and is constructed to prepare flooring boards, matched linings, skirtings, panel stuff, mouldings, &c. &c.—For further particulars, apply to Mr. HENRY CLIFFORD, No. 5, Salisbury-street, Strand, London.

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